

AMENDMENTS

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended) An intervertebral disc prosthesis, comprising two cover plates and a prosthesis core which is connected to one of the cover plates by connection profiles on the one of the cover plates and the prosthesis core which are undercut in a complementary manner, wherein the connection profiles include at least one pair of substantially straight profile sections which are disposed symmetrically with respect to an anterior-posterior direction of the prosthesis in an implanted position and are arranged at an angle to one another of not greater than 150°.

2. (Canceled)

3. (Previously Presented) The intervertebral disc prosthesis according to Claim 1, wherein the profile sections are arranged on a dorsal side of the intervertebral disc prosthesis and are held in engagement with each other by an engaging structure arranged on a ventral side of the intervertebral disk prosthesis in the implanted position.

4. (Previously Presented) The intervertebral disc prosthesis according to Claim 3, further comprising a pair of laterally arranged profile sections.

5. (Canceled)